An Le Thanh

Senior Software Developer

CONTACT INFORMATION

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SUMMARY

Full-Stack Developer with 5 years of experience, specializing in **Angular(v8-17), React** and with deep expertise **TypeScript, JavaScript (ES6+), HTML and CSS**. Skilled in designing and building responsive, maintainable, high-performance web applications and developing RESTful APIs with **NestJS**. Experienced in MongoDB, RxJS, unit testing (Jasmine), and CI/CD processes. Passionate about clean UI/UX, scalability, and collaborative development.

TECHNICAL SKILLS

- **Frontend:** Angular, ReactJS, NextJS, TypeScript, JavaScript, HTML5, CSS, RxJS, PrimeNG, Tailwind CSS, Jest, Jasmine/Karma.
- **Backend:** NodeJS, NestJS, RESTful APIs.
- **Database:** SQL Server, MongoDB.
- **Tools & Technologies:** Git, SourceTree, Vercel, Azure DevOps, Postman, NPM.
- **Other:** Docker(basic), Agile/Scrum, Git Flow, CI/CD, Socket.IO.

EXPERIENCE

Jan 2024 - Present

Full Stack Developer
FPT Software

HAL-TSS.Connect2EDGE
Technologies:
- Angular 17, TypeScript, RxJS, PrimeNG, NestJS, NodeJS, MongoDB, Jest, Socket.IO.

Description:
- Connect2EDGE is a modular platform enabling real-time wireless downhole data communication, reducing operational complexity in oil and gas operations.

Responsibilities:
- Developed and maintained a modern, responsive UI **using Angular (PrimeNG, RxJS), improving user experience and application performance**.
- Built reusable generic components (dynamic forms, table components, modal managers) and shared services, **reducing code duplication and accelerating feature development**.
- Implemented unit testing (Jest) to ensure high code quality and logic reliability **(>80% coverage).**
- Designed and **integrated complex calculation formulas** to process **real-time depth and well interval measurements**, ensuring accurate and consistent downhole telemetry data.
- Conducted peer **code reviews**, documented shared patterns, and **drew architectural diagrams.**
- Implemented RESTful APIs, business logic, and database schema with NestJS and MongoDB for backend services.
- Conducted **performance audits** with Angular DevTools to resolve bottlenecks, optimize change detection, and improve load times.
- Cloudinary integrates for **caching, real-time data synchronization**, management, and **query performance improvement.**

Apr 2022 - Dec 2023

Senior Front-end Developer
FPT Software

HAL-TSS. SmartScheduling
Technologies:
- Angular 12, TypeScript, RxJS, .NET Core, Entity Framework, Jasmin, SQL Server, etc.

Description:
- SmartScheduling is a web-based planning tool that enables efficient scheduling of jobs, equipment, and personnel. It integrates with multiple enterprise systems (SAP, VDR+, CREW, RUBI) and provides centralized views for managing and updating resources in one place.

Responsibilities:
- Developed and enhanced SmartScheduling web application **using Angular, TypeScript, and RxJS**, ensuring responsive and **user-friendly UI.**
- **Designed and implemented reactive state management** with RxJS using a service-store pattern, centralizing state and selectors, enabling caching, and **cutting ~30-40% API calls.**
- **Integrated** Calendar Chart synchronization and **resolved data consistency issues** to ensure accurate **creation, update, and overlap validation** of work schedules.
- **Refactored legacy code** by identifying and consolidating redundant logic and UI components into shared service modules and reusable UI components, **improving code clarity and reducing maintenance time.**
- **Wrote unit tests (Jasmine/Karma) for RxJS stores/services** to **validate flows, timings, and error branches**, improving **state reliability and maintainability.**
- **Maintained** backend services using .NET Core and Entity Framework, including **API updates and database migrations.**
- Troubleshot, debugged, and optimized application performance, ensuring stable release cycles.

Oct 2021 - Apr 2022

Front-end Developer
FPT Software

HAL.CEP.Optio
Technologies:
- Angular 8, TypeScript, RxJS, .NET Core, Entity Framework, Jasmin, SQL Server, etc.

Description:
- Web application development for cement engineering software applications.

Responsibilities:
- **Built UI features in Angular/RxJS** following component-based patterns; implemented forms, validation, and reusable UI elements.
- **Implemented lightweight reactive state** with BehaviorSubject to cache lookups and avoid duplicate API calls for dropdowns/filters.
- **Collaborated** with **Tech Lead** on code refactoring and best practices (folder structure, naming, RxJS piping).
- **Integrated .NET Core WebAPI** endpoints (CRUD, paging) and wrote basic unit tests (Jasmine/Karma) for services and pipes.
- **Fixed UI bugs** (layout, responsive, change detection) and supported code reviews with small refactors.

Dec 2020 - Oct 2021

Fresher Front-end Developer
FPT Software

HAL.CEP.VIDA
Technologies:
- Angular 8, TypeScript, RxJS, .NET Core, WebAPI, SQL Server.

Description:
- Develop web applications for cementing technical software applications.

Responsibilities:
- **Developed and maintained** basic **Angular** modules (routing, guards, reactive forms) under senior guidance.
- **Consumed REST APIs from .NET Core** using HttpClient and interceptors (auth headers, error handling).
- **Applied RxJS essentials** (map, switchMap, catchError) for simple data flows and navigation side-effects
- Built reusable UI components (tables, filters) and extracted common styles to improve maintainability.

EDUCATION

Ho Chi Minh City, Vietnam
2018 - 2021

Software Engineer
Aptech Computer Education – Computer Software Engineering

LANGUAGES

English
Intermediate

SKILLS

Strong troubleshooting and debugging

Excellent team collaboration and communication

High adaptability and commitment to deadlines

CERTIFICATIONS & COURSES

Udacity:

- Cloud Developer using Microsoft Azure (07/2024)
- Full Stack Web Developer (09/2022)